



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

008470

647.8906
Job Sheet 191108



Part No: 647.8906

Job Qty: 1 pcs

Part Name: AW139 Cable Cutter System, Removable Provisions - Short



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/21/19

Job Tracking No:

Due Date: 3/18/19

Created By: Marie Lajeunesse

Type: SOLD

Description: *order 11965*

Note: DWG 647.8900 REV.B IPP REV:A 12.10.25 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	Packaging 1 - Pick Kit	1 pcs	3/18/19		0.00	0.00	Packaging 1 - 1		
							Packaging 1 - 2		
							Packaging 1 - 3		
							Packaging 1 - 4		
							Packaging 1 - 5		
							Packaging 1 - 6		
							Packaging 1 - 7		
							Packaging 1 - 8		
							Packaging 1 - 9		
							Packaging 1 - 10		
							Packaging 1 - 11		
							Packaging 1 - 12		
							Packaging 1 - 13		
							Packaging 1 - 14		
							Packaging 1 - 15		
							Packaging 1 - 16		
							Packaging 1 - 17		
							Packaging 1 - 18		
							Packaging 1 - 19		
							Packaging 1 - 20		
							Packaging 1 - 21		
							Packaging 1 - 22		
							Packaging 1 - 23		
							Packaging 1 - 24		
							Packaging 1 - 25		
							Packaging 1 - 26		
							Packaging 1 - 27		
							Packaging 1 - 28		
							Packaging 1 - 29		
							Packaging 1 - 30		
							Packaging 1 - 31		

MAR 05 2019



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL : 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S159294



Part: 647.8906

Job No: 191108

Serial No/Batch: S159294

Revision: B

Inspector:

Exp Date:

Instructions: FAA STC SR02379LA 11/11/08, BRAZIL STC 21

Plex 2/21/19 11:56 AM Dart.lajeunesse.marie

					Packaging 1 - 32	
					Packaging 1 - 33	
					Packaging 1 - 34	
					Packaging 1 - 35	
					Packaging 1 - 36	
120 QC 4	1 pcs	3/18/19	0.00 0.00		QC 4 - 26	
					QC 4 - 28	
					QC 4 - 42	
					QC 4 - 58	
					QC 4 - 6	
					QC 4 - 69	
					QC 4 - 9	DAS 46 9-89 MAR 05 2019
					QC 4 - 46	
130 Packaging 3-1 - Stock - B4B	1 pcs	3/18/19	0.00 0.00		Packaging 3 - 1 - B4B	DAS 46 9-89 MAR 05 2019
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	DAS 46 9-89 MAR 05 2019
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
135 DC - 1 - B4B	1 pcs	3/18/19	0.00 0.00		DC - 1 - B4B	DAS 21 9-89 MAR 06 2019
					DC - 2 - B4B	
140 QC 21 - SA	1 pcs	3/18/19	0.00 0.00		QC 21 - SA - 21	DAS 21 9-89 MAR 06 2019
					QC 21 - SA - 70	
					QC 21 - SA - 53	
Part Op 110 - Pick Kit						DAS 21 9-89
Descriptions: 120 - QC4- 100% Inspect kits for completeness						
130 - Identify and pack for shipping as per PPP 647.8906 Location : FG109						
135 - Document Control - Photocopy bluefile & type labels per PPP 647.8906						
140 - QC21- Final Inspection - Work Order Release						

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
646.9910 14	Struts	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5143733
647.9012 17	Fwd Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F93255
647.9013 1	Fwd Clip	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F93162
647.9014 15	Strut Bracket	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5018541
647.9110 118	Thrusert	25 pcs (25 ea)	110-Packaging 1 - Pick Kit	F93294
647.9111 118	Thrusert	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	F4129311-26
647.9201 57	Upper Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F92903
647.9202 94A	Lower Cutter Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F922493
647.9310 85	LH Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F94541
647.9312 11A	Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F93826
647.9313 86A	Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F93700
647.9314 11	Retainer Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F108338-269
647.9315 20	Receptacle Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F93779
647.9316 071	Crossbar Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F95527
647.9317 071	RH Bracket	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F94680
647.9401 24	Deflector Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F4129341
647.9501 20	Quick Release Pin Assembly	2 pcs (2 ea)	110-Packaging 1 - Pick Kit	F117306
647.9610 78	LH Fwd Wiper Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F94562
647.9611 78	LH Aft Wiper Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F102747
647.9612 69	RH Fwd Wiper Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F103406
647.9613 69	AW139 RH Aft Wiper Deflector	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	F103454
647.9801 61	Mounting Tee Assembly	1 pcs (1 ea)	110-Packaging 1 - Pick Kit	M129311
AN3-11A	Bolt	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5157480
MS21042-3	Nut use MS21042L3 per QSI 017	46 Ea (46 ea)	110-Packaging 1 - Pick Kit	5130347
MS21042L08	Nut	13 Ea (13 ea)	110-Packaging 1 - Pick Kit	5134219
MS21140S-04-04	Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	F123694
MS21141S-04-06	Rivet	14 Ea (14 ea)	110-Packaging 1 - Pick Kit	F124387-2
MS21141S-04-07	Rivet	12 Ea (12 ea)	110-Packaging 1 - Pick Kit	F124387-3
MS27039-08-11	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	F4138336-10
MS27039-08-13	Screw	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	5123937
MS27039-08-19	Screw	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5104359
MS27039-08-24	Screw (MS27039-0824)	5 Ea (5 ea)	110-Packaging 1 - Pick Kit	5098209
MS27039-1-11	Screw	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	F4138326-80
MS27039-1-13	Screw	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	5071833
MS27039-1-14	Screw	6 Ea (6 ea)	110-Packaging 1 - Pick Kit	F120449-40
MS27039-1-15	Screw	10 Ea (10 ea)	110-Packaging 1 - Pick Kit	5112435
MS27039-1-17	Screw (601.1954)	2 Ea (2 ea)	110-Packaging 1 - Pick Kit	F4127831-4
MS27039-1-18	Screw	34 Ea (34 ea)	110-Packaging 1 - Pick Kit	F124326
MS27039-1-19	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5155664
MS27039-1-21	Screw	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	5104011
NAS1149C0332R	Washer	118 Ea (118 ea)	110-Packaging 1 - Pick Kit	5143145
NAS1149F0332P	Washer	8 Ea (8 ea)	110-Packaging 1 - Pick Kit	5157648
NAS1149FN832P	Washer	30 Ea (30 ea)	110-Packaging 1 - Pick Kit	5143216
NAS6203-22D	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	F4129311
NAS6203-26	Bolt	4 Ea (4 ea)	110-Packaging 1 - Pick Kit	M123533

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging 1 - Pick Kit	646.9910	2	11	0
	647.9012	1	64	0
	647.9013	1	53	0
	647.9014	2	28	0
	647.9110	25	1,317	0
	647.9111	2	342	0
	647.9201	1	35	0
	647.9202	1	8	0
	647.9310	1	48	0
	647.9312	1	58	0
	647.9313	1	91	0
	647.9314	1	52	0
	647.9315	1	58	0
	647.9316	1	14	0
	647.9317	1	22	0
	647.9401	1	2	0
	647.9501	2	18	0
	647.9610	1	55	0
	647.9611	1	52	0
	647.9612	1	67	0
	647.9613	1	59	0
	647.9801	1	1	0
	AN3-11A	2	167	0
	MS21042-3	46	206	0
	MS21042L08	13	1,232	0
	MS21140S-04-04	12	926	0
	MS21141S-04-06	14	681	0
	MS21141S-04-07	12	977	0
	MS27039-08-11	2	1,050	0
	MS27039-08-13	2	481	0
	MS27039-08-19	6	773	0
	MS27039-08-24	5	109	0
	MS27039-1-11	6	232	0
	MS27039-1-13	6	411	0
	MS27039-1-14	6	46	0
	MS27039-1-15	10	269	0
	MS27039-1-17	2	47	0
	MS27039-1-18	34	1,190	0
	MS27039-1-19	4	167	0
	MS27039-1-21	4	30	0
	NAS1149C0332R	118	3,847	0
	NAS1149F0332P	8	2,596	0
	NAS1149FN832P	30	2,958	0
	NAS6203-22D	4	76	0
	NAS6203-26	4	213	0

Part Specifications

Specifications could not be found.

Plex 2/21/19 11:56 AM Dart.lajeunesse.marie

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition			Completed By
					Lead hand / Supervisor
					QC / QA Coordinator
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐	FAULT CATEGORY ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread				
Other/Details:					

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

NOTES:

1. AFTER INSTALLATION, APPLY F/N 57 A/R TO FILL GAPS AND FILLET EDGES.

2. APPLY F/N 58 TO FAYING SURFACES.

3. WHEN PURCHASING A CABLE CUTTER SYSTEM, LEONARDO HELICOPTER FIXED PROVISION SHOULD BE INSTALLED. THE KIT PART NUMBERS ARE AS FOLLOWS:
4G9540A00212 LOWER FIXED PARTS INSTALLATION KIT
4G9540A00112 UPPER FIXED PARTS INSTALLATION KIT
ADDITIONAL FIXED PROVISION PARTS ARE:
3G9540A00351 DOUBLER, 3G9540A00451 DOUBLER, 3G9540A01351 LH SHIM LOWER CUTTER, 3G9540A01251 RH SHIM LOWER CUTTER, 3G9540A00551 LH SHIM LOWER CUTTER, 3G9540A00651 RH SHIM LOWER CUTTER, 3G9540A00931 LH FITTING, 3G9540A00831 RH FITTING.

WHEN PURCHASING A SHORT CABLE CUTTERS KIT FOR AN AIRCRAFT WITH MAGELLAN FIXED PROVISIONS & LHD PROVISIONS, ORDER P/N 647.8901. FOR AN AIRCRAFT WITH ONLY LHD FIXED PROVISIONS, ORDER P/N 647.8904 & 647.8906.

WHEN PURCHASING A LONG CABLE CUTTERS KIT FOR AN AIRCRAFT WITH MAGELLAN FIXED PROVISIONS & LHD PROVISIONS, ORDER P/N 647.8902. FOR AN AIRCRAFT WITH ONLY LHD FIXED PROVISIONS, ORDER P/N 647.8904 & 647.8905.

5	5			5	5	62	601.3124	SCREW	MS27039-0824	
1	1			1	1	61	647.9317	RH BRACKET		
1	1			1	1	60	647.9310	LH BRACKET		
12	12	12	12	12	12	59	601.3186	RIVET	MS21140S-04-04	
				1	1	58	601.2045	RTV	LOCTITE 598	
				1	1	57	600.1012	SEALANT	PR-1425 CLASS B	
46	46	34	50	82	82	56	601.2943	LOCKNUT	MS21042-3	
13	13			8	13	55	601.1541	LOCKNUT	MS21042L08	
30	30			20	30	54	601.2764	WASHER	NAS1149FN832P	
118	118	75	126	190	190	53	601.1032	WASHER	NAS1149C0332R	
		16	16	16	16	52	601.1869	WASHER	NAS1149CN832R	
8	8			8	8	51	601.1607	WASHER	NAS1149F0332P	
6	6			6	6	50	601.3190	SCREW	MS27039-1-13	
		16	16	16	16	49	601.3180	SCREW	MS27039-0304	
		8		8	8	48	601.3069	SCREW	MS27039-1-09	
10	10			10	10	47	601.3012	SCREW	MS27039-1-15	
34	34	8	34	34	34	46	601.2910	SCREW	MS27039-1-18	
2	2			2	2	45	601.2988	SCREW	MS27039-0813	
2	2			2	2	44	601.2893	SCREW	MS27039-0811	
6	6			6	6	43	601.2765	SCREW	MS27039-0819	
4	4			4	4	42	601.1956	SCREW	MS27039-1-21	
2	2			2	4	41	601.1954	SCREW	MS27039-1-17	
		10		10	10	40	601.1952	SCREW	MS27039-1-20	
6	6			6	10	39	601.1949	SCREW	MS27039-1-11	
4	4			4	4	38	601.1948	SCREW	MS27039-1-19	
6	6	12	18	18	18	37	601.1622	SCREW	MS27039-1-14	
.8906	.8905	.8904	.8903	.8902	.8901	FINI	PART #	DESCRIPTION	MATL.	SPEC.

REV. 8										REV. 8	
DESCRIPTION										DATE	
LAST PRELIMINARY RELEASE P/N										APPROVED	
INITIAL RELEASE										P. BRAVO	
INCORPORATED ECNS 02990, 03027, 03217, 03279										11-28-11	
INCORPORATED ECNS 06144										01-04-19	
P. BRAVO										P. BRAVO	
12	12			12	12	12	36	601.3188	RIVET	MS21141S-04-07	
14	14			14	14	14	35	601.3187	RIVET	MS21141S-04-06	
		16	16	16	16	34	601.3189	INSERT	NAS1836-08-09		
2	2			2	2	2	33	601.2826	BOLT	AN3-11A	
4	4			4	4	4	32	601.1866	BOLT	NAS6203-26	
4	4			4	4	31	601.1850	BOLT	NAS6203-22D		
2	2			2	2	30	646.9910	SIRUT			
1	1			1	1	1	29	647.9613	RH WIPER DEFLECTOR		
1	1			1	1	1	28	647.9612	RH FWD WIPER DEFLECTOR		
1	1			1	1	1	27	647.9611	LH WIPER DEFLECTOR		
1	1			1	1	1	26	647.9610	LH FWD WIPER DEFLECTOR		
1	1			1	1	1	25	647.9316	CROSSBAR BRACKET		
1	1			1	1	1	24	647.9315	RECEPTACLE BRACKET		
1	1			1	1	1	23	647.9314	RETAINER BRACKET		
1	1			1	1	1	22	647.9313	BRACKET		
1	1			1	1	1	21	647.9312	BRACKET		
		1			REF	REF	20	647.9311	SUPPORT BRACKET		
					2	2	19	647.9114	THRUSERT		
		12	12	12	12	18	647.9113	THRUSERT			
		12	12	12	12	17	647.9112	THRUSERT			
2	2	10	2	12	12	16	647.9111	THRUSERT			
25	25	20	26	26	26	15	647.9110	THRUSERT			
		1	1	1	1	14	647.9016	DOUBLER			
				REF	REF	13	647.9015	DOUBLER			
2	2		2	2	2	12	647.9014	STRUT BRACKET			
1	1		1	1	1	11	647.9013	FWD CLIP			
1	1		1	1	1	10	647.9012	FWD CLIP			
				REF	REF	9	647.9011	DOUBLER			
				REF	REF	8	647.9010	DOUBLER			
1	1		1	1	1	7	647.9801	MOUNTING TEE ASSY			
2	2		2	2	2	6	647.9501	QUICK RELEASE PIN ASSY			
1	1		1	1	1	5	647.9401	DEFLECTOR ASSY			
						4	647.9203	LOWER CUTTER LONG ASSY			
1	1					3	647.9202	LOWER CUTTER ASSY			
1	1		1	1	1	2	647.9201	UPPER CUTTER ASSY			
		3	3	3	3	1	647.9001	DOUBLER ASSY			
							647.8906	AW139 CABLE CUTTERS REMOVABLE PROVISIONS KIT			
							647.8905	AW139 CABLE CUTTERS REMOVABLE PROVISIONS KIT LONG			
							647.8904	AW139 CABLE CUTTERS FIXED PROVISIONS KIT			
							647.8903	AW139 UPPER CABLE CUTTERS KIT			
							647.8902	AW139 CABLE CUTTERS KIT LONG			
							647.8901	AW139 CABLE CUTTERS KIT			
.8906	.8905	.8904	.8903	.8902	.8901	FINI	PART #	DESCRIPTION	MATL.	SPEC.	
QTY										PARTS LIST	
NEXT ASSY (S)										ORIGINAL DATE	
										05-17-10	
										DRAWN BY	
										P. BRAVO	
										CHECKED BY	
										P. BRAVO	
										CONTRACT NO.	
										UNLESS OTHERWISE SPECIFIED	
										DIMENSIONS ARE IN INCHES	
										TOLERANCES ARE:	
										2 PLACES DECIMALS ±.01	
										3 PLACES DECIMALS ±.005	
										ANGLES ±.5°	
										SITE	
										CAGE CODE	
										DWG. NO.	
										647.8900	
										REV.	
										B	
										SCALE	
										NONE	
										SHEET	
										1 OF 9	

DART
AEROSPACE
APICAL INDUSTRIES, INC.
800 SOUTH AUSTIN

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA, 92081
(760)-774-5300

AW139 CABLE CUTTERS KIT

SCALE NONE SHEET 1 OF 9